

PATENT SPECIFICATION

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(54) IMPROVEMENTS IN OR RELATING TO AN ANABOLISANT WITH STHENIC EFFECT

(71) I, MADELEINE TIXIER, born SILBER, a French citizen of 37 avenue d'Iena, Paris 16ème, France, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The invention relates to anabolisants and provides a novel anabolisant composition having a sthenic effect.

The composition of the invention comprises a protidic anabolisant comprising in combination:

15 a hemopoietic extract of liver; vitamin B₁; vitamin B₂; cyanocobalamin (vitamin B₁₂); lysine pantothenate; and 20 arginine pantothenate, in an aromatic preservative excipient.

The invention preferably comprises a therapeutic composition in unit dosage form, each dosage form comprising:

25	hemopoietic extract of liver in the form of a paste (25% by weight water content)	1.50 g
30	cyanocobalamin (vitamin B ₁₂)	100 gammas
	vitamin B ₁	0.010g
	vitamin B ₂	0.005g
35	lysine pantothenate	0.30 g
	arginine pantothenate	0.30 g
	aromatic preservative excipi- ent to 10 ml	

The anabolisant of the invention is suitable for the treatment of the following:

40 (i) in adults: convalescences, physical and physical asthenia, postantibiotic asthenia, hepatic affections with hypo-

proteinaemia, pregnancy and lactation;
(ii) in old people: asthenia of all kinds, hypoproteinaemia by nutritive deficiency, lacks of balance due to glucidic overloads, muscular reductions and osteoporosis; and
(iii) in children: anorexia, recovery of infectious diseases, hypotrophies, and slow growth.

The preferred dosage for adults and old people is from 1 to 3 of the above unit dosages per day, taken between meals with water, and for children and infants is from $\frac{1}{2}$ to 1 of the above unit dosages per day, according to age, suitably taken in milk or sugared water.

The invention is illustrated by the following Examples, which indicate the effect of the anabolisant of the invention on a number of patients. In the Examples each of the ampoules used contained one unit dosage form of the composition of the invention.

Example 1

The patient was male, 44 years old.
Examination of the patient before treatment:

weight 60 kg
size 1.75 metres

The asthenia was so important that the patient could not walk without help though there was no evidence of polyneuritis of the lower limbs. There was particular anorexia with respect to meat. Had lost 7 kg in six months.

Treatment

one ampoule of the anabolisant of the invention, morning, noon and evening, for 15 days.

Result obtained after treatment
clinical and biological improvement, increase

[Price 25p]

- of red blood corpuscles. The leucocyte formula tended to become normal. Distinct physical improvement; increase in weight and appetite. at the supporting areas, and had a severe depressive condition. 55
- Example 2**
The patient was female, 55 years old.
Examination of the patient before treatment:
- weight 52 kg
size 1.55 metres
- The most important affection was asthenia. In fact, even with the patient's cooperation and will, she had a distinct weariness, with dyspnoea and tachycardia, and could not support more than a few minutes kinesitherapeutic treatment.
- Treatment**
one ampoule of the anabolisant of the invention at morning, noon and evening for ten days.
- Result obtained after treatment
the total stoppage of asthenia allowed a normal re-education, causing important functional improvements including an improvement in walking. 60
- Example 3**
The patient was female, 83 years old.
Examination of the patient before treatment:
- weight 68 kg
size 1.74 metres
- Asthenia was particularly important after re-education treatment, which left the patient exhausted for several hours. Small psychical troubles: the patient had a difficulty in holding her attention. 65
- Treatment**
one ampoule of the anabolisant of the invention at morning, noon and evening for ten days.
- Result obtained after treatment
very distinct improvement of asthenia, the re-education treatment was well tolerated. The attention level was substantially increased. The patient can practically have a normal existence and returned to her home. 70
- Example 4**
The patient was male, 26 years old.
Examination of the patient before treatment:
- 50 weight 55 kg
size 1.85 metres
- The patient showed thinness, global anorexia causing a denutrition with eschars at the supporting areas, and had a severe depressive condition. 75
- Treatment**
one ampoule of the anabolisant according to the invention at morning, noon and evening for ten days.
- Result obtained after treatment
the anorexia progressively disappeared. The re-education improvements, remaining very low previously became accelerated and the patient became able to make some simple movement. The eschars were under cicatrisation. The weight increased by 3 kg in the ten days. The depressive condition improved. 80
- Example 5**
The patient was male, 79 years old.
Examination of the patient before treatment:
- weight 64 kg
size 1.64 metres
- The patient had asthenia and remained all day long in an arm-chair. He had a poor appetite. 85
- Treatment**
one ampoule of the anabolisant of the invention at morning and noon for ten days.
- Result obtained after treatment
complete retrogression of the asthenia. The patient walked again, and his appetite returned. 90
- Example 6**
The patient was 64 years old.
Examination of the patient before treatment:
- weight 50 kg
size 1.61 metres
- Global anorexia, concerning mainly meats and fats, caused a major asthenia shown by the refusal of re-education. The patient could only walk supported by two persons and had difficulties with memory. 95
- Treatment**
one ampoule of the anabolisant of the invention, at morning and noon for ten days.
- Result obtained after treatment
spectacular improvement of the general condition. Substantial improvements for walking, which became possible with the use of sticks. The anorexia is small and the patient, again, had a taste for meat. The weight started to increase. 100

WHAT I CLAIM IS:—

1. A protidic anabolisant comprising in combination:
- 5 a hemopoietic extract of liver;
 vitamin B₁;
 vitamin B₂;
 cyanocobalamine (vitamin B₁₂);
 lysine pantothenate; and
10 arginine pantothenate, in an aromatic preservative excipient.
2. A therapeutic composition in unit dosage form, each dosage form comprising:
- 15 hemopoietic extract of liver
 in the form of a paste
 (25% by weight water)

content)	1.50 g
cyanocobalamine (vitamin B ₁₂)	100 gammas
vitamin B ₁	0.010g
vitamin B ₂	0.005g
lysine pantothenate	0.30 g
arginine pantothenate	0.30 g
aromatic preservative excipient to 10 ml	20

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